Amendments to the Specification:

In paragraph [041] the equation is:

$$m\ddot{x}+c_x\dot{x}+\left(k_x-m\left(\Omega_y{}^2+\Omega_z{}^2\right)\right)x+m\left(\Omega_x\Omega_y-\dot{\Omega}_z\right)y = F_d+2m\Omega_z\dot{y}$$

$$m\ddot{y}-c_y\dot{y}+\left(k_y-m\left(\Omega_x{}^2+\Omega_z{}^2\right)\right)y+m\left(\Omega_x\Omega_y+\dot{\Omega}_z\right)x = -2m\Omega_z\dot{x}$$

In paragraph [058] the equation is:

$$\vec{a}_A=\vec{a}_B+\dot{\vec{\Omega}}\,x\,\vec{r}_B+\vec{\Omega}\,x\left(\vec{\Omega}\,x\,\vec{r}_B\right)+2\vec{\Omega}\,x\,\vec{v}_B$$

In paragraph [060] the equation is:

$$m_1\vec{a}_1 = \vec{F}_1 + \vec{F}_d - 2m_1\vec{\Omega}\,x\,\vec{v}_1 - m_1\vec{\Omega}$$

$$x\left(\vec{\Omega}\,x\,\vec{r}_1\right) - m_1\dot{\vec{\Omega}}\,x\,\vec{r}_1$$

$$m_2\vec{a}_2 = \vec{F}_2 - 2m_2\vec{\Omega}\,x\,\vec{v}_2 - m_2\vec{\Omega}$$

$$x\left(\vec{\Omega}\,x\,\vec{r}_2\right) - m_2\dot{\vec{\Omega}}\,x\,\vec{r}_2$$

$$m_3\vec{a}_3 = \vec{F}_3 - 2m_3\vec{\Omega}\,x\,\vec{v}_3 - m_3\vec{\Omega}$$

$$x\left(\vec{\Omega}\,x\,\vec{r}_3\right) - m_3\dot{\vec{\Omega}}\,x\,\vec{r}_3$$

In paragraph [061] the equation is:

$$
\begin{aligned}
&m_1\ddot{x}_1 + c_{1x}\dot{x}_1 + k_{1x}x_1 \\
&\quad = k_{2x}\left(x_2 - x_1\right) + m_1\Omega_z^2 x_1 + F_d\left(t\right) \\
&\left(m_2 + m_3\right)\ddot{x}_2 + \left(c_{2x} + c_{3x}\right)\dot{x}_2 + k_{2x}\left(x_2 - x_1\right) \\
&\quad = \left(m_2 + m_3\right)\Omega_z^2 x_2 + 2m_2\Omega_z\dot{y}_2 + 2m_3\Omega_z\dot{y}_3 \\
&\quad + m_2\dot{\Omega}_z y_2 + m_3\dot{\Omega}_z y_3 \\
&m_2\ddot{y}_2 + c_{2y}\dot{y}_2 + k_{2y}y_2 \\
&\quad = k_{3y}\left(y_3 - y_2\right) + m_2\Omega_z^2 y_2 - 2m_2\Omega_z\dot{x}_2 - m_2\dot{\Omega}_z x_2 \\
&m_3\ddot{y}_3 + c_{3y3} + k_{3y}\left(y_3 + y_2\right) \\
&\quad = m_3\Omega_z^2 y_3 - 2m_3\Omega_z\dot{x}_3 - m_3\dot{\Omega}_z x_3
\end{aligned}
$$

In paragraph [067] the equation is:

$$k_{1x} = \frac{4}{2}\left(\frac{1}{2}\frac{3EI}{\frac{L_{1x}^{3}}{2}}\right) = \frac{2Etw^{3}}{L_{1x}^{3}}$$

In paragraph [069] the equation is:

$$k_{2x} = \frac{2Etw^{3}}{L_{2x}^{3}}, \quad k_{2y} = \frac{2Etw^{3}}{L_{2y}^{3}}$$

In paragraph [071] the equation is:

$$k_{3y} = \frac{4}{3} \frac{Etw^3}{L_{3y}{}^3}$$

In paragraph [075] the equation is:

$$c_{1x} = \mu_{eff} \frac{A_1}{z_0} + \mu_{eff} \frac{2N_{comb^{\ell} comb^{t}}}{y_{comb}}$$

In paragraph [077] the equation is:

$$c_{2x} = c_{2y} = \mu_{eff} \frac{A_2}{z_0}$$

In paragraph [078] the equation is:

$$c_{3x} = \mu_{eff} \frac{A_3}{z_0} + \mu_{eff} \frac{2N_{cap^{\ell} cap^{t}}}{y_{cap}}$$

In paragraph [079] the equation is:

$$c_{3y} = \mu_{eff} \frac{A_3}{z_0} + \mu_{eff} \frac{7N_{cap^{\ell} cap^{t^3}}}{y_{cap}^3}$$

In paragraph [087] the equation is:

$$m_1 \ddot{x}_1 + c_{1x} \dot{x}_1 + k_{1x} x_1 = k_{2x} \left(x_2 - x_1 \right) + F_d$$

$$\left(m_2 + m_3 \right) \ddot{x}_2 + c_{2x} \dot{x}_2 + k_{2x} x_2 = k_{2x} x_1$$

In paragraph [088] the equation is:

$$X_1 = \frac{F_0}{k_{1x}} x \frac{1 - \left(\frac{w}{w_{2x}}\right)^2 + jw\frac{c_{2x}}{k_{2x}}}{[1 + \frac{k_{2x}}{k_{1x}} - \left(\frac{w}{w_{1x}}\right)^2 + jw\frac{c_{1x}}{k_{1x}}][1 - \left(\frac{w}{w_{2x}}\right)^2 + jw\frac{c_{2x}}{k_{2x}}] - \frac{k_{2x}}{k_{1x}}}$$

$$X_2 = \frac{F_0}{k_1} \frac{1}{[1 + \frac{k_{2x}}{k_{1x}} - \left(\frac{w}{w_{1x}}\right)^2 + jw\frac{c_{1x}}{k_{1x}}][1 - \left(\frac{w}{w_{2x}}\right)^2 + jw\frac{c_{2x}}{k_{2x}}] - \frac{k_{2x}}{k_{1x}}}$$

In paragraph [095] the equation is:

$$m_2\ddot{y}_2 + c_{2y}\dot{y}_2 + k_{2y}y_2 = k_{3y}\left(y_3 - y_2\right) + 2m_2\Omega_z\dot{x}_2$$

$$m_3\ddot{y}_3 + c_{3y}\dot{y}_3 + k_{3y}y_3 = k_{3y}y_2 + 2m_3\Omega_z\dot{x}_2$$